

1 1. A method of determining a relative probability of survival for a subject with
2 squamous cell carcinoma, the method comprising
3 determining a level of maspin gene expression in a biological sample from a subject
4 with squamous cell carcinoma; and
5 comparing the level with a threshold level of maspin gene expression, wherein a level
6 of maspin gene expression in the biological sample above the threshold level indicates a
7 relatively high probability of survival for a subject with .

1 2. The method of claim 1, wherein the level of maspin gene expression is determined
2 by an amount of maspin protein in the biological sample, and the threshold level is an
3 amount of maspin protein.

1 3. The method of claim 2, wherein the amount of maspin protein in the biological
2 sample is determined using an antibody that specifically binds to maspin.

1 4. The method of claim 1, wherein the level of maspin gene expression is determined
2 by an amount of a maspin mRNA in the biological sample, and the threshold level is an
3 amount of the maspin mRNA.

1 5. The method of claim 4, wherein the amount of the maspin mRNA in the biological
2 sample is determined by Northern blotting.

1 6. A method of determining a relative probability of survival for a subject with
2 squamous cell carcinoma, the method comprising
3 determining a level of maspin gene expression in a biological sample from a subject
4 with squamous cell carcinoma; and
5 comparing the level with a threshold level of maspin gene expression, wherein a level
6 of maspin gene expression in the biological sample below the threshold level indicates a
7 relatively low probability of survival.

1 7. The method of claim 6, wherein the level of maspin gene expression is determined
2 by an amount of maspin protein in the biological sample, and the threshold level is an
3 amount of maspin protein.

1 8. The method of claim 7, wherein the amount of maspin protein in the biological
2 sample is determined using an antibody that specifically binds to maspin.

1 9. The method of claim 6, wherein the level of maspin gene expression is determined
2 by an amount of a maspin mRNA in the biological sample, and the threshold level is an
3 amount of the maspin mRNA.

1 10. The method of claim 9, wherein the amount of the maspin mRNA in the
2 biological sample is determined by Northern blotting.

11. A method of determining whether a subject with squamous cell carcinoma has a
lymph node containing cancerous cells, the method comprising
determining a level of maspin gene expression in a biological sample from a subject
with squamous cell carcinoma; and
comparing the level with a threshold level of maspin gene expression, wherein a level
of maspin gene expression in the biological sample above the threshold level indicates that
the subject has a lymph node containing cancerous cells.

Sub B'-
below lymph node

1 12. The method of claim 11, wherein the level of maspin gene expression is
2 determined by an amount of maspin protein in the biological sample, and the threshold level
3 is an amount of maspin protein.

1 13. The method of claim 12, wherein the amount of maspin protein in the biological
2 sample is determined using an antibody that specifically binds to maspin.

1 14. The method of claim 11, wherein the level of maspin gene expression is
2 determined by an amount of a maspin mRNA in the biological sample, and the threshold
3 level is an amount of the maspin mRNA.

1 15. The method of claim 14, wherein the amount of the maspin mRNA in the
2 biological sample is determined by Northern blotting.

1 16. A method of determining whether a subject with squamous cell carcinoma does
2 not have a lymph node containing cancerous cells, the method comprising
3 determining a level of maspin gene expression in a biological sample from a subject
4 with squamous cell carcinoma; and
5 comparing the level with a threshold level of maspin gene expression, wherein a level
6 of maspin gene expression in the biological sample below the threshold level indicates that
7 the subject does not have a lymph node containing cancerous cells. *above*

1 17. The method of claim 16, wherein the level of maspin gene expression is
2 determined by an amount of maspin protein in the biological sample, and the threshold level
3 is an amount of maspin protein.

1 18. The method of claim 17, wherein the amount of maspin protein in the biological
2 sample is determined using an antibody that specifically binds to maspin.

1 19. The method of claim 16, wherein the level of maspin gene expression is
2 determined by an amount of a maspin mRNA in the biological sample, and the threshold
3 level is an amount of the maspin mRNA.

1 20. The method of claim 19, wherein the amount of the maspin mRNA in the
2 biological sample is determined by Northern blotting.